PHOTOFACT® Folder with CIRCUITRACE®

For Supplier Address See PHOTOFACT Index

RECORD CHANGER SERVICING

FOR SERVICE INFORMATION ON COMPLETE RECORD CHANGER
SEE SIMILAR CHANGER -- PHOTOFACT SET 1127 , FOLDER 5

ADJUSTMENTS

TONE ARM HEIGHT

Adjust B2 so the top of the tone arm clears a 12-inch record on the center spindle shelf during the change cycle. Turning B2 clockwise decreases the lift-up height.

TONE ARM SETDOWN

Adjust screw B1 so the needle sets down in the center of the lead-in groove on a 12-inch record. Turning the screw clockwise moves the set-down point outward.

ANTI-SKATE

Adjust B5 to correspond with the "Needle Pressure". (Minimum of 2)

CLEANING

Use a cloth dampened with isopropyl alcohol to clean the driving surfaces of the idler wheel, motor shaft and inside rim of the turntable.

LUBRICATION

Apply light nonhardening grease to sliding cam surfaces and pivot points, light machine oil on the tone arm lift rod, idler wheel bearings, and motor bearings.

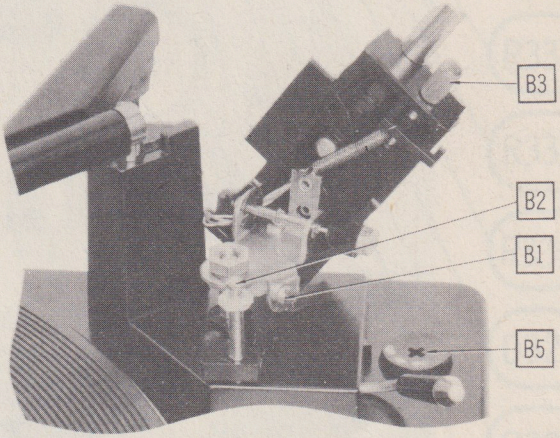
DO NOT lubricate turntable driving surface, the teeth on cycling gear or turntable hub.

NEEDLE PRESSURE

Nominal pressure 5-1/2 grams. Adjust B3 to obtain correct needle pressure. Turning B3 clockwise decreases needle pressure.

DRIVE IDLER HEIGHT

Select 33 rpm and adjust the screw in the idler support arm so the idler wheel is in the center of the 33 rpm section of the motor shaft.



REMEMBER TO ASK— "What else needs fixing?"

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 2MN081

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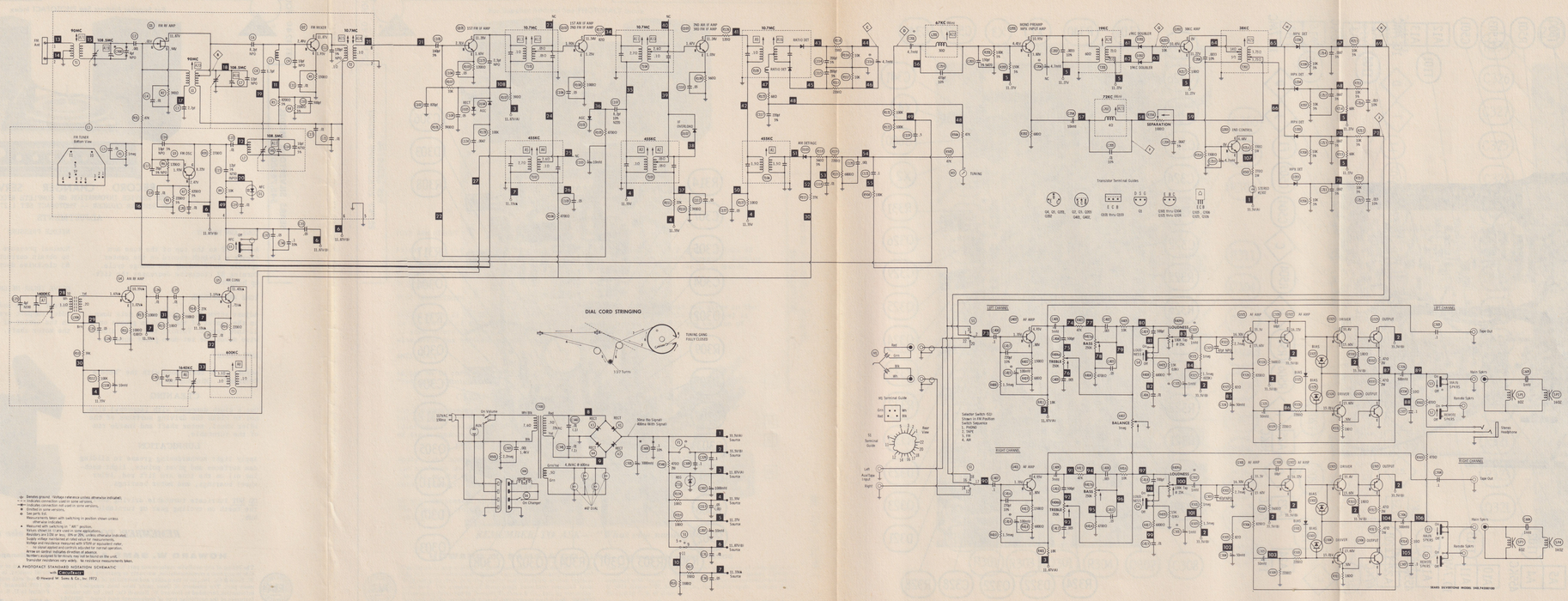
DATE 4-72 SET 1240 FOLDER 4

SEARS SILVERTONE MODEL
548.74200100

SEARS SILVERTONE MODEL
548.74200100

SET 1240 FOLDER 4



- ⏚ Denotes ground. Voltage unless otherwise indicated.
- ⟶ Indicates connection used in some versions.
- ⟶ Indicates connection not used in some versions.
- ⊕ Divided in some versions.
- ⊕ Test point.
  Measurements taken with switching in position shown unless otherwise indicated.
- Measurements taken with switching in "AM" position.
  Resistors are 1/2W or less. 10% or 20%, unless otherwise indicated.
  Voltage and resistance measured with 470K/V or equivalent meter.
  All signal applied and controls adjusted for normal operation.
  Antenna is connected to FM terminals.
  Numbers assigned to terminals may not be numerical.
  Transistor resistances vary widely. No resistance measurements taken.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
with **CHANGETRACK**

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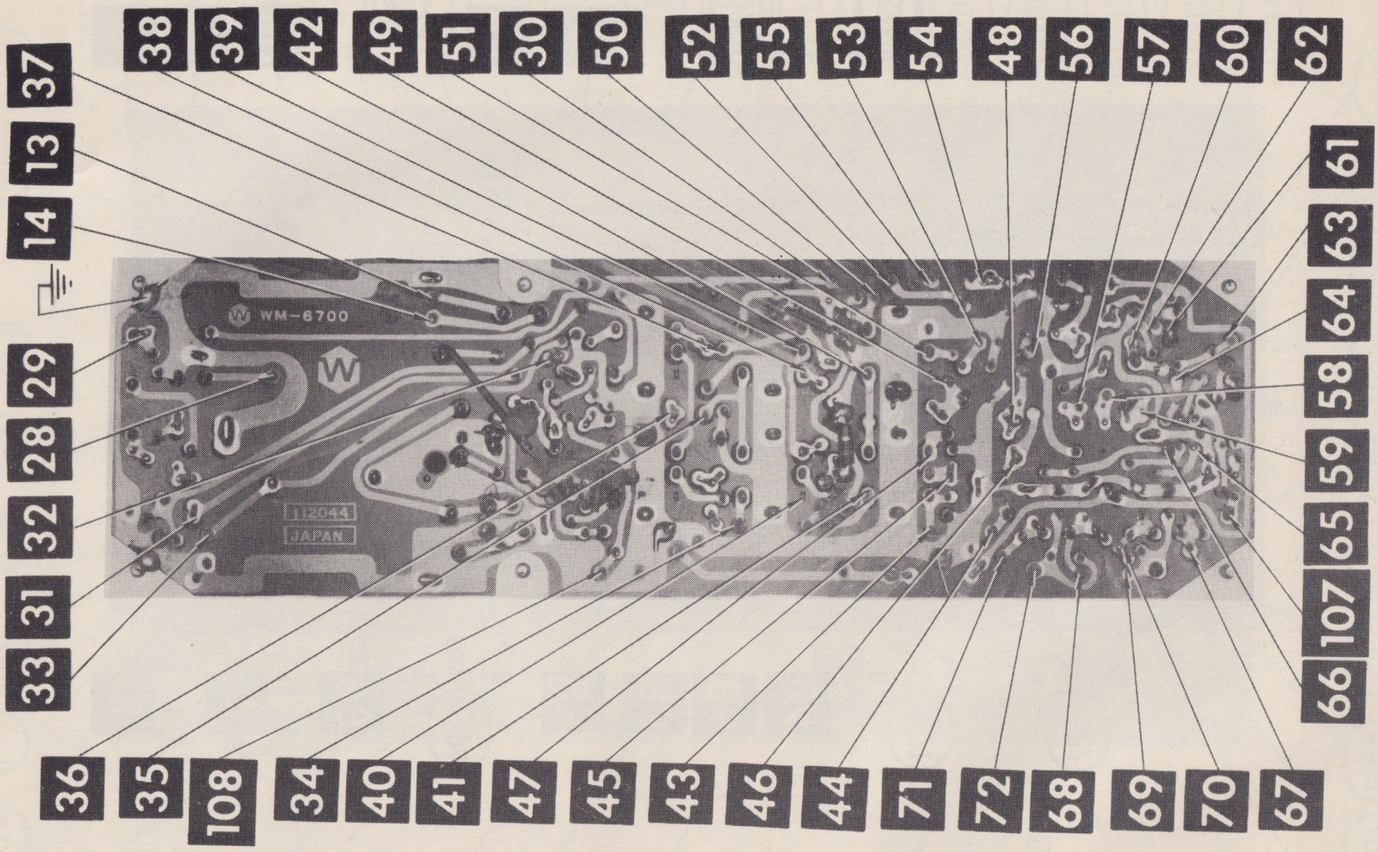

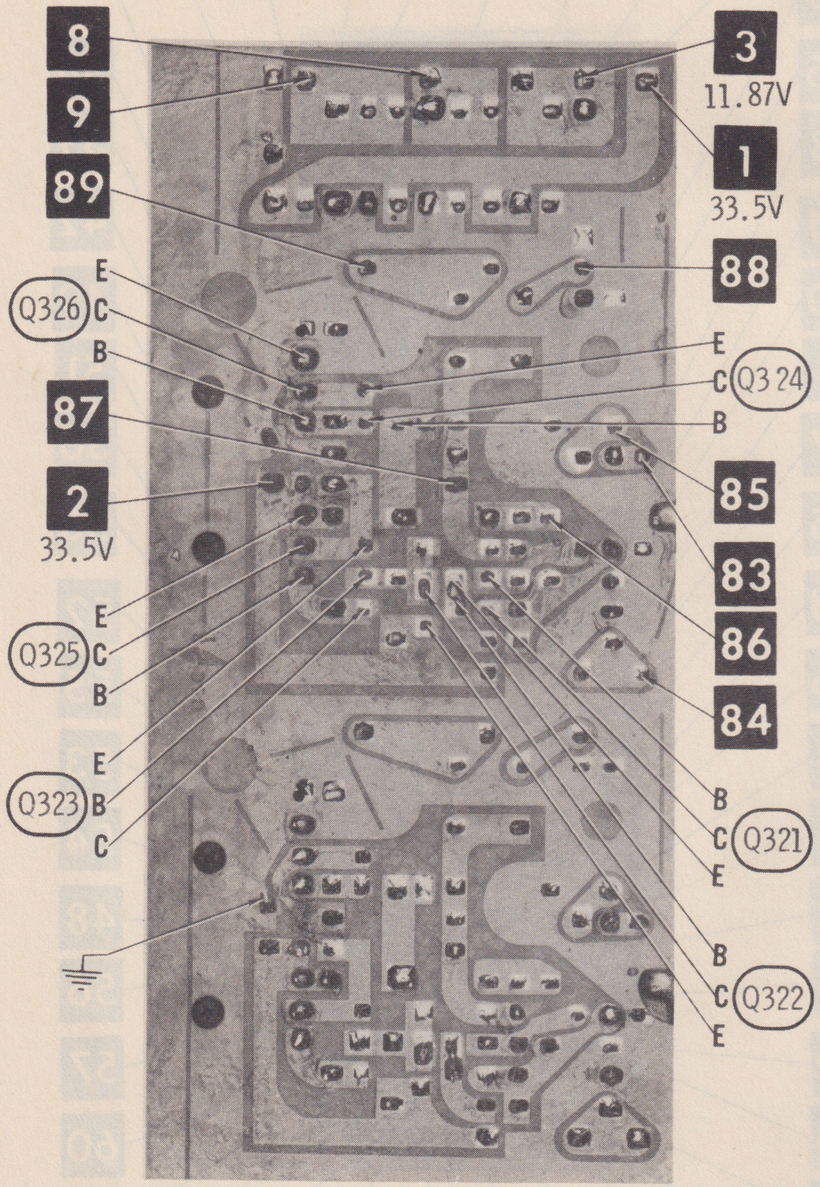

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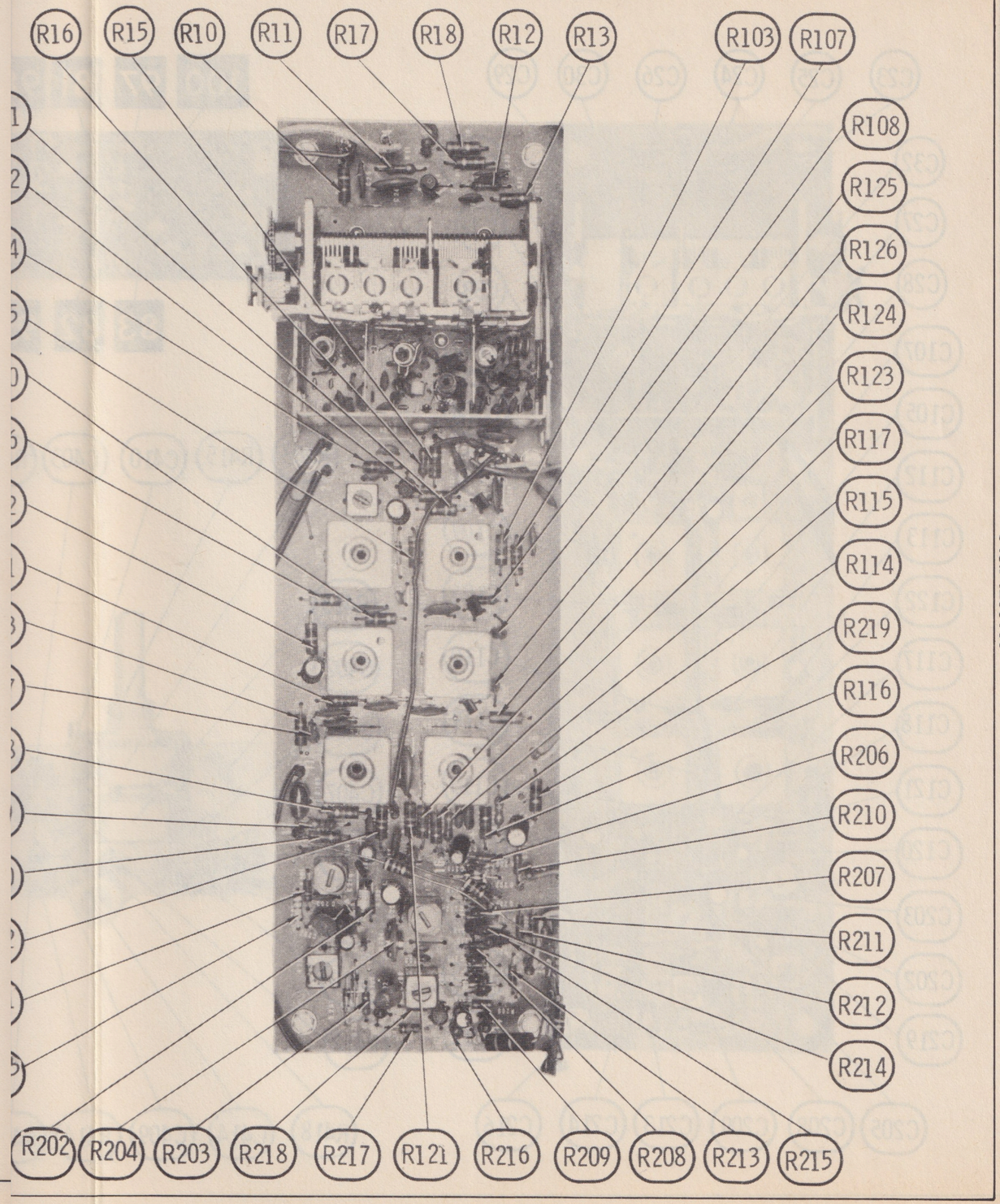

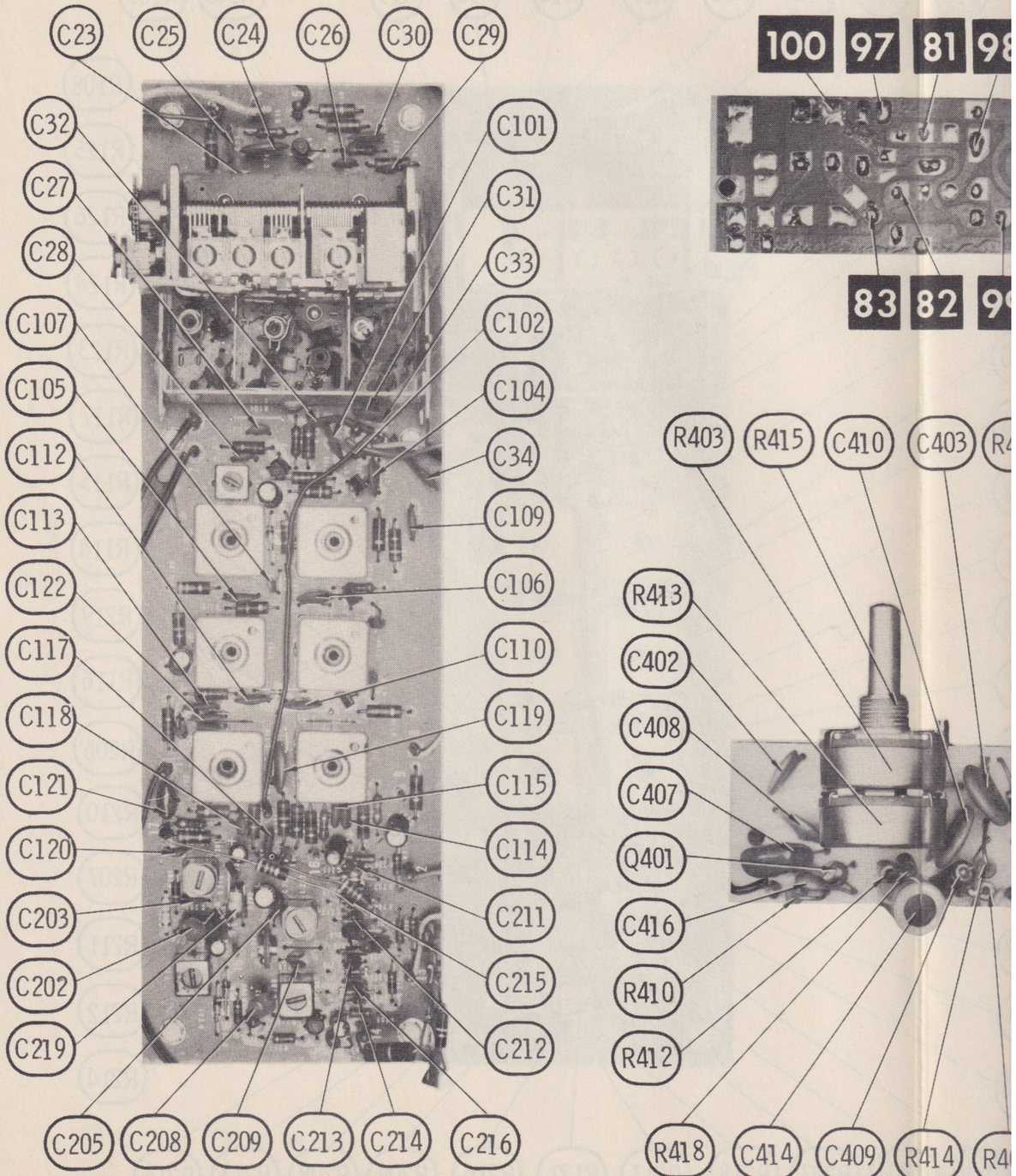
C23
C25
C24
C26
C30
C29
C32
C27
C28
C107
C105
C112
C113
C122
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C118
C121
C120
C203
C202
C219
C101
C31
C33
C102
C104
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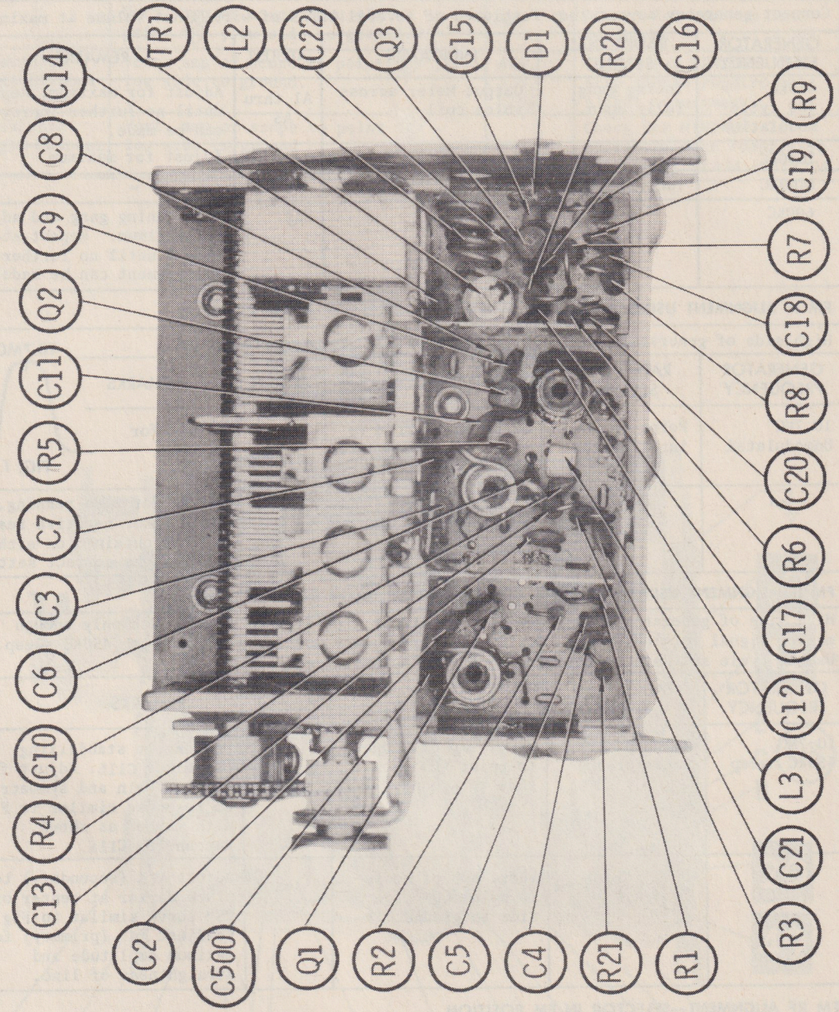
C110
C119
C115
C114
C211
C215
C212
C205
C208
C209
C213
C214
C216
100
97
81
83
82
R403
R415
C410
C403
R413
C402
C408
C407
Q401
C416
R410
R412
R418
C414
C409
R414


TR1
L2
C22
Q3
C15
D1
R20
C16
C14
C8
C9
Q2
C11
R5
C7
C3
C6
C10
R4
C13
C2
C500
Q1
R2
C5
C4
R21
R1
R9
C19
R7
C18
R8
C20
R6
C17
C12
L3
C21
R3

ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment.
Maintain line voltage at 117VAC. Allow a 15-minute warm-up period.
Use only enough generator output to obtain a suitable indication.
Suggested Alignment Tools: GC ELECTRONICS
A1 thru A5, A9 thru A13, A16 .....#8606, 8606L, 8869
A6 thru A8, A17,A18,A19, A21 thru A24 ...#8868, 8987, 9089
A14, A15, A20 .....#9296, 9297, 9300

AM ALIGNMENT—SELECTOR IN AM POSITION

Connect generator across loop fashioned of several turns of wire. Set volume at maximum.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC 400 cycle modulation	Tuning gang fully open.	Output Meter across voice coil.	A1 thru A5	Adjust for maximum. Repeat until no further improvement can be made.
2.	1640KC	"	"	A6	Adjust for maximum.
3.	1400KC	Tune to signal	"	A7	"
4.	600KC	"	"	A8	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mfd to point (B) ,low side to ground.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC Unmodulated	Point of non-interference	DC probe of VTVM to point (C) ,common to ground.	A9 thru A15	Adjust for maximum.
6.	"	"	DC probe of VTVM to point (D) ,common to ground.	A16	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.

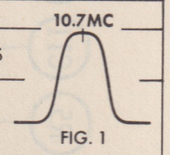


FIG. 1

FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mfd to point (B) ,low side to ground. Use only enough marker signal for indication. Use 60 cycle frequency modulated signal with 450KC sweep. Use 60 cycle sawtooth voltage in scope for horizontal deflection.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC 450KC Sweep	Point of non-interference	Vert. amp of scope to point (C) ,low side to ground.	A9 thru A15	Disconnect stabilizing capacitor C116. Adjust for maximum gain and symmetry of response similar to Fig.1 with marker as shown. Reconnect C116.
6.	"	"	Vert. amp of scope to point (D) ,low side to ground.	A16	Adjust A16 (secondary) to place marker at center of "S" curve similar to Fig. 2. Readjust A9 (primary) for maximum amplitude and straightness of line.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
7.	108.5MC	High freq. end	DC probe of VTVM to point (C) ,common to ground.	A17, A18, A19	Adjust for maximum.
8.	90MC Unmodulated	Tune to signal.	"	A20, A21	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

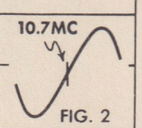


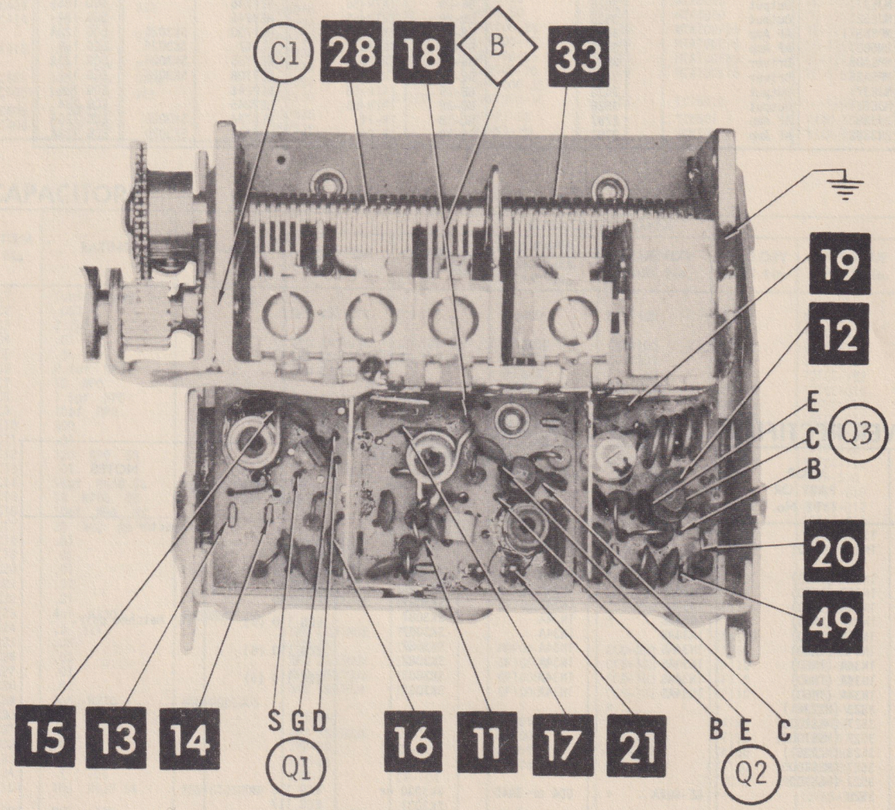
FIG. 2

ALIGNMENT INSTRUCTIONS (Continued)

FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (± .0001% ACCURACY)

High side of generator thru 47K to point (D) ,low side to ground.

	GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
9.	67KC	Vert. amp of scope thru 47K to point (F) ,low side to ground.	A22	Adjust for MINIMUM
	72KC		A23	
10.	19KC	Vert. amp of scope thru 47K to point (G) ,low side to ground.	A24	Adjust for maximum.
11.	"	Vert. amp of scope thru 47K to point (H) ,low side to ground.	A25	Adjust for maximum 38KC response.
12.	Modulated Left Channel	Vert. amp of scope to point (J) , low side to ground.	A24, A25, R204	Adjust for MINIMUM. This step should require only slight adjustment.
13.	Modulated Right Channel	Vert. amp of scope to point (K) , low side to ground		Check for MINIMUM. If necessary make compromise adjustment of A24,A25,R204.



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PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	2N5485	FM RF Amp	2N5485	GE-FET-1	TR-FE-100	HEPF0021	SK3116	ECG 132
Q2	2SC785(R) (SPS4168)	FM Mixer	SPS4168	GE-20	TR-21	HEP56	SK3018	ECG 107
Q3	2SC371(O) (SPS4169)	FM Oscillator	SPS4169	GE-20	TR-21	HEP50	SK3018	ECG 123A
Q4	2SC371(O) (SE1010) (2SC454A)	AM RF Amp	SE1010 (2SC454A)	GE-20	TR-21	HEP50	SK3018	ECG 123A
Q5	2SC371(O) (SE1001) (2SC454B)	AM Converter	SE1001 (2SC454B)	GE-20	TR-21	HEP50	SK3018	ECG 123A
Q101	2SC460(B)	1st Fm IF Amp	2SC460B	GE-20	TR-21	HEP53	SK3018	ECG 107
Q102	2SC460(C)	1st AM-2nd FM IF Amp	2SC460C	GE-20	TR-21	HEP53	SK3018	ECG 107
Q103	2SC460(C)	2nd AM-3rd Fm IF Amp	2SC460C	GE-20	TR-21	HEP53	SK3018	ECG 107
Q201	2SC374(V) (SE4010)	Mono Preamp-MPX Input Amp	2SC374V(SE4010)	GE-20	TR-21	HEP55	SK3018	ECG 123A
Q202	2SA610B (CS9012)	38KC Amp	2SA610B (CS9012)	GE-21	TR-19	HEP52	SK3025	ECG 159
Q203	2SC374(BL)	Indicator Control	2SC374BL	GE-18	TR-25	HEP55	SK3018	ECG 123A
Q301	MPS6571	AF Amp	3521	GE-18	TR-24	HEP730	SK3020	ECG 123A
Q302	2N5087	AF Amp	3522	GE-21	TR-19	HEP57	SK3025	ECG 159
Q303	MPSA05	Driver	3523	GE-63	TR-25	HEP736	SK3024	ECG 123A
Q304	MPSA55	Driver	3524	GE-67	TR-28	HEP708	SK3025	ECG 159
Q305	MJE371	Output	3525	GE-29	IRTR-56	HEP246		ECG 185
Q306	MJE521	Output	3526	GE-28	IRTR-55	HEP245		ECG 184
Q321	MPS6571	AF Amp	3521	GE-18	TR-24	HEP730	SK3020	ECG 123A
Q322	2N5087	AF Amp	3522	GE-21	TR-19	HEP57	SK3025	ECG 159
Q323	MPSA05	Driver	3523	GE-63	TR-25	HEP736	SK3024	ECG 123A
Q324	MPSA55	Driver	3524	GE-67	TR-28	HEP708	SK3025	ECG 159
Q325	MJE371	Output	3525	GE-29	IRTR-56	HEP246		ECG 185
Q326	MJE521	Output	3526	GE-28	IRTR-55	HEP245		ECG 184
Q401	2N3392	AF Amp	2787	GE-18	TR-24	HEP724	SK3020	ECG 123A
Q402	2N3392	AF Amp	2787	GE-18	TR-24	HEP724	SK3020	ECG 123A

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
D1	1S351	GE-90				Varactor
D101	1N34A (1N60)	1N34AS	1N34A	SK3087	ECG 109	
D102		GE-300			ECG 177	
D103	1N34A (1N60)	1N34AS	1N34A	SK3087	ECG 109	
D104	1N34A (1N60)	1N34AS	1N34A	SK3087	ECG 109	
D105	1N34A (1N60)	1N34AS	1N34A	SK3087	ECG 109	
D201	1N34A (1N60)	1N34AS	1N34A	SK3087	ECG 110 (6)	(6) Matched pair.
D202	1N34A (1N60)	1N34AS	1N34A	SK3087		
D203	1N34A (1N60)	1N34AS	1N34A	SK3087	ECG 110 (6)	
D205	1N34A (1N60)	1N34AS	1N34A	SK3087		
D204	1N34A (1N60)	1N34AS	1N34A	SK3087	ECG 110 (6)	
D206	1N34A (1N60)	1N34AS	1N34A	SK3087		
D301	3528 (MZ2361)					
D302	3527 (MSS1000)					
D303	3527 (MSS1000)					
D321	3528 (MZ2361)					
D322	3527 (MSS1000)					
D323	3527 (MSS1000)					
X1	3529	GE-504A	8D4 or 5A4D	SK3030 or SK3031	ECG 116 or ECG 117	
X2	3529	GE-504A	8D4 or 5A4D	SK3030 or SK3031	ECG 116 or ECG 117	
X3	3529	GE-504A	8D4 or 5A4D	SK3030 or SK3031	ECG 116 or ECG 117	
X4	3529	GE-504A	8D4 or 5A4D	SK3030 or SK3031	ECG 116 or ECG 117	
ZD1		GEZD-12	Z1112	SK3062	ECG 142	Zener

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		SEARS PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C103	10 25V	025N100-0610	MCD-70	EP30-10	WBR10-25	MT1-5	MTV10CB50	TE-1204
C108	10 25V	025N100-0610	MCD-70	EP30-10	WBR10-25	MT1-5	MTV10CB50	TE-1204
C116	4.7 16V		MCD-50	EP15-5	WBR5-50	MT1-3	MTV5CB50	TE-1152
	4.7 25V	016N4R7-0510	MCD-50	EP30-5	WBR5-50	MT1-3	MTV5CB50	TE-1202
C201	4.7 16V		MCD-50	EP15-5	WBR5-50	MT1-3	MTV5CB50	TE-1152
	4.7 25V	016N4R7-0510	MCD-50	EP30-5	WBR5-50	MT1-3	MTV5CB50	TE-1202
C204	10 25V	025N100-0610	MCD-70	EP30-10	WBR10-25	MT1-5	MTV10CB50	TE-1204
C206	4.7 16V		MCD-50	EP15-5	WBR5-50	MT1-3	MTV5CB50	TE-1152
	4.7 25V	016N4R7-0510	MCD-50	EP30-5	WBR5-50	MT1-3	MTV5CB50	TE-1202
C207	10 25V	025N100-0610	MCD-70	EP30-10	WBR10-25	MT1-5	MTV10CB50	TE-1204
C210	4.7 16V		MCD-50	EP15-5	WBR5-50	MT1-3	MTV5CB50	TE-1152
	4.7 25V	016N4R7-0510	MCD-50	EP30-5	WBR5-50	MT1-3	MTV5CB50	TE-1202
C301	1 50V		CRE750A	EA50-2	WBR1-50	MT1-1	MTA1D50	TE-1300
	1 25V	928	CRE750A	EA30-2	WBR1-50	MT1-1	MTA1D50	TE-1200
C302	1 50V		CRE750A	EA50-2	WBR1-50	MT1-1	MTA1D50	TE-1300
	1 25V	928	CRE750A	EA30-2	WBR1-50	MT1-1	MTA1D50	TE-1200
C304	50 25V	5703	CRE617A	EA30-50	WBR50-25	MT1-16.5	MTA50E25	TE-1209
C305	50 25V	5703	CRE617A	EA30-50	WBR50-25	MT1-16.5	MTA50E25	TE-1209
C306	500 35V	5701	PRS1390	EA50-500	WBR500-35	QT1-31	TC50050A	TL-1316
C321	1 50V		CRE750A	EA50-2	WBR1-50	MT1-1	MTA1D50	TE-1300
	1 25V	928	MCD-10	EP30-2	WBR1-50	MT1-1	MTV1CB50	TE-1200
C322	1 50V		CRE750A	EA50-2	WBR1-50	MT1-1	MTA1D50	TE-1300
	1 25V	928	MCD-10	EP30-2	WBR1-50	MT1-1	MTV1CB50	TE-1200
C324	50 25V	5703	CRE617A	EA30-50	WBR50-25	MT1-16.5	MTA50E25	TE-1209
C325	50 25V	5703	CRE617A	EA30-50	WBR50-25	MT1-16.5	MTA50E25	TE-1209
C326	500 35V	5701	PRS1390	EA50-500	WBR500-35	QT1-31	TC50050A	TL-1316
C401	5 15V	932	CRE604A	EA15-5	WBR5-50	MT1-3	MTA5D50	TE-1152
C409	5 15V	932	CRE604A	EA15-5	WBR5-50	MT1-3	MTA5D50	TE-1152
C414	100 25V		CRN623A	EA30-100	WBR100-25	MT1-20	MTA100F35	TE-1211
	100 15V	931	CRE473A	EA15-100	WBR100-16	MT1-19	MTA100E15	TE-1162
C415	100 25V		CRE623A	EA30-100	WBR100-25	MT1-20	MTA100F35	TE-1211
	100 15V	931	CRE473A	EA15-100	WBR100-16	MT1-19	MTA100E15	TE-1162
C501	3000 35V	5702	PRS1398		WBR3000-35			
C502	1000 17V	943	PRS1230	EA15-1000	WBR1000-16	QT1-32	TC1501B	TL-1166.5
C605	1 NP 25V		PRS7525		BRNP1-50		TCN501	TVAN-1301.1
C606	1 NP 25V		PRS7525		BRNP1-50		TCN501	TVAN-1301.1

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	Tuning Gang							
C2	.001		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C3	2.7pf							10TCC-V30
C4	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C5	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C6	8.2pf NPO		GPD C0H8R2K		NP08P2			10TCC-V82
C7	12 NPO			DTZ-15	NP015	CCT0-150	CN0415	10TCC-Q15
C8	1.5pf NPO		GPD C0J1R5D	DTZ-1R5	NP01P5		CN0515	10TCC-V15
C9	10pf NPO			DTZ-10	NP010	CCT0-100	CN0410	10TCC-Q10
C10	500		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C11	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C12	120 NPO 5%			DTZ-100	NP0100	CCT0-101	CN0310	10TCC-T10
C13	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C14	10pf N470 5%	#DD100JUJ05				*	*	10TCT-Q10
C15	12 N750 5%			TCN-12	N12		CN7412	10TCU-Q12
C16	10pf NPO 5%			DTZ-10	NP010	CCT0-100	CN0410	10TCC-Q10
C17	20 NPO 5%			DTZ-20	NP020	CCT0-200	CN0420	10TCC-Q20
C18	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C19	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C20	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C21	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C22	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C23	4pf N330	#DD4R0DSJ05				*	*	10TCS-V39
C24	.5 12V		GPD C0J1R0D	TCZ-1			CN0510	10TCC-V10
C25	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C26	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C27	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C28	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C29	4pf N330	#DD4R0DSJ05				*	*	10TCS-V39
C30	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C31	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C32	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C33	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C34	.1 10%		TTP-1	CK-104			TA010	TG-P10
C101	160 N330 5%	#DD161JSH05				*	*	10TCS-T15
C102	820 10%		GPD X5F821K	DD-821	GP820	CCD-821	GP382	10TS-T82
C104	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C105	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C106	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C107	8.2pf N220 10%	#DD8R2KH05				*	*	10TCR-V82
C109	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C110	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C112	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C113	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C114	200 5%		GPD X5F201K	DD-201	GP200	CCD-201	GP320	10TS-T20
C115	200 5%		GPD X5F201K	DD-201	GP200	CCD-201	GP320	10TS-T20
C117	200 5%		GPD X5F201K	DD-201	GP200	CCD-201	GP320	10TS-T20
C118	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C119	.5 12V		GPD C0J1R0D	TCZ-1			CN0510	10TCC-V10
C120	.001		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C121	.1		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C122	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C123	2.5pf NPO		GPD C0J2R2K	DTZ-2R2	NP02P2		CN0522	10TCC-V22
C124	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C202	.0033 50V 10%		ADM20332	CPR-3300J		DM-19-332	SX233	MS-233
C203	150 N470 5%	#DD151KUJ05				*	*	10TCT-T15
C205	.01 50V 10%		V1612S1	CPR-10000J	DPMS6S1	1DP-1-103	PVC211	225P10391WD3
C208	.0033 50V 10%		ADM20332	CPR-3300J		DM-19-332	SX233	MS-233
C209	.0047 50V 5%		DBE6D47		DMS6D47	6DP-1-472	PVC6247	6PS-D47
C211	.0047 50V 5%		DBE6D47		DMS6D47	6DP-1-472	PVC6247	6PS-D47
C212	.0047 50V 5%		DBE6D47		DMS6D47	6DP-1-472	PVC6247	6PS-D47
C213	.0047 50V 5%		DBE6D47		DMS6D47	6DP-1-472	PVC6247	6PS-D47
C214	.0047 50V 5%		DBE6D47		DMS6D47	6DP-1-472	PVC6247	6PS-D47
C215	.015 50V 10%		DBE6S15	DD-153	DPMS6S15	1DP-1-153	PVC2115	225P15391WD3
C216	.015 50V 10%		DBE6S15	DD-153	DPMS6S15	1DP-1-153	PVC2115	225P15391WD3
C219	470 50V 10%			CPR-470J	CD15F471J500	DM-16-471	SX347	MS-347
C303	47 NPO 10%			DTZ-47	NP047	CCT0-470	CN0447	10TCC-Q47
C307	.1		DBE6P1		DPMS6P1	6DP-4-104	PVC601	6PS-P10
C308	68			DTZ-68			CN0468	10TCC-Q68
C309	.1		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C323	47 NPO 10%			DTZ-47	NP047	CCT0-470	CN0447	10TCC-Q47
C327	.1		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C328	68			DTZ-68			CN0468	10TCC-Q68
C329	.1 10%		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C340	.01		DBE6S1		DPMS6S1	6DP-2-103	PVC611	6PS-S10
C341	.01		DBE6S1		DPMS6S1	6DP-2-103	PVC611	6PS-S10
C400	.1		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C402	.005		GPD X5R502K	DD-502	GP5000	CCD-502	JF250	10TS-D50
C403	.05 16V		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C404	500		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C405	.005		GPD X5R502K	DD-502	GP5000	CCD-502	JF250	10TS-D50
C406	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C407	.1 10%		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C408	.005		GPD X5R502K	DD-502	GP5000	CCD-502	JF250	10TS-D50
C410	.05 16V		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C411	500		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C412	.005		GPD X5R502K	DD-502	GP5000	CCD-502	JF250	10TS-D50
C413	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C416	220 10%		GPD X5F221K	DD-221	GP220	CCD-221	GP322	10TS-T22
C417	220 10%		GPD X5F221K	DD-221	GP220	CCD-221	GP322	10TS-T22
C418	500		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C419	500 N330	#PC809A				*	*	10TCS-T47
C500	4 NPO				NP03P9			10TCC-V39
C503	.001 1.4KV		HVD-30-1000	DD30-102	HV3-1000	3CCD-102	2HV210	30GA-D10
C504	.1		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C505	.1		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C600	.1 10%		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
TR1	Trimmer	#CV06DCH50						

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.
\# Sears Part Number.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
R204	Separation	1000	VRPB102E	TSV-1K or T-1000		X201R102B	MTC13L1
R406a	Treble, Left	250K	4120	F1-250K,	NP-250K-S,	B11-130,B11-130,	P254L, 3014,
b	Treble, Right	250K		R1-250K, SF014,CPL-2	NR-250K-S, UP-B-400,DC-2	SK1,QCM or [BU1,CF15,CR10, SS1,SS7A,DC1]*	RU254L, CS3500
R407	Balance	3meg	4122	F1-3meg, SF014	A47-3meg-S, FS-3 or [NP-3meg-S, UP-B-400]	Q11-140 or [BU1,CF21,SS1, DC1]*	UA36L, SN875 or [RU36L, SL38, SN875] or U59
R409a	Loudness, Right	100K Tap @ 25K	4123				
b	Loudness/Switch, Left	100K Tap @ 25K					
R415a	Bass, Left	250K	4120	F1-250K,	NP-250K-S,	B11-130,B11-130,	P254L, 3014,
b	Bass, Right	250K		R1-250K, SF014,CPL-2	NR-250K-S, UP-B-400,DC-2	SK1,QCM or [BU1,CF15,CR10, SS1,SS7A,DC1]*	RU254L, CS3500

* "SNAPTROL"

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R216	330 1W, Film		RM331KC
R312	.47 2W WW	WS-.47	693-1
R313	.47 2W WW	WS-.47	693-1
R314	10 1/2W	CA10	527A

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R332	.47 2W WW	WS-.47	693-1
R333	.47 2W WW	WS-.47	693-1
R334	10 1/2W	CA10	527A
R340	470 2W WW		5527A

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	FM RF	154302			
L2	FM Oscillator	154061			
L3	10.7MC Trap	153019-1			
L201	67KC Trap	154223		1359(1)	
L202	72KC Trap	154215		1359(2)	
L506	Loopstick			7786	
T1	FM Antenna	154045			
T2	FM Input IF	153022-6			
T3	AM Oscillator	154181		2069	
T101	FM Interstage IF	153121			
T102	AM Input IF	153073			
T103	FM Interstage IF	153121			
T104	AM Interstage IF	153073			
T105	Ratio Detector	153072			
T106	AM Output IF	153075			
T201	19KC Doubler	154224			
T202	38KC Output	154225			

(1) Change shunt capacitor from 470pf to 820pf. (2) Change shunt capacitor from .01uf to 820pf.

TRANSFORMER (Power)

ITEM No.	RATING			REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T500	117VAC @ .15AAC	22VAC @ .4ADC Max.	4.8VAC @ .6AAC	1130				

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	Circuit Breaker Hold 1.14A Break 1.8A	4126				81501.5		FA1.5

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	6" PM 8 ohms	3611		
SP2	2" PM 16 ohms	3610A		
SP3	6" PM 8 ohms	3611		
SP4	2" PM 16 ohms	3610A		

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

PHONO CARTRIDGE & NEEDLES

ITEM No.	REPLACEMENT DATA						NOTES
	MFGR. PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		
	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	
M1 M2	89061	88441	1258d	N906-7d 906-7d	5496D	3373DS 3387D	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	Tuner	1098T	FM
M3	Meter	4127	Tuning (AM-FM)
M4	Motor		Phono
S1	Switch	4104A	Selector (Phono-Tape-FM-AM)
S2	Switch	4125	Remote Speakers (On-Off)
S3	Switch	4125	Main Speakers (On-Off)
S4	Switch	4125	Loudness (On-Off)
S5	Switch	4125	AFC (On-Off)
S6	Switch	B108326	Power (On-Off) (On Changer)
	Printed Circuit Board	1098	AM-FM-MPX (With Components)
	Printed Circuit Board	4121	Tone Control (With Components)
	Printed Circuit Board	3178	Amp (With Components)
	45-rpm Adapter	PS899	
	Idler Wheel	A101623	WALSCO Replacement #1499-34
	Hold-down Arm	B10808C	
	Tone Arm Tube	B106660	

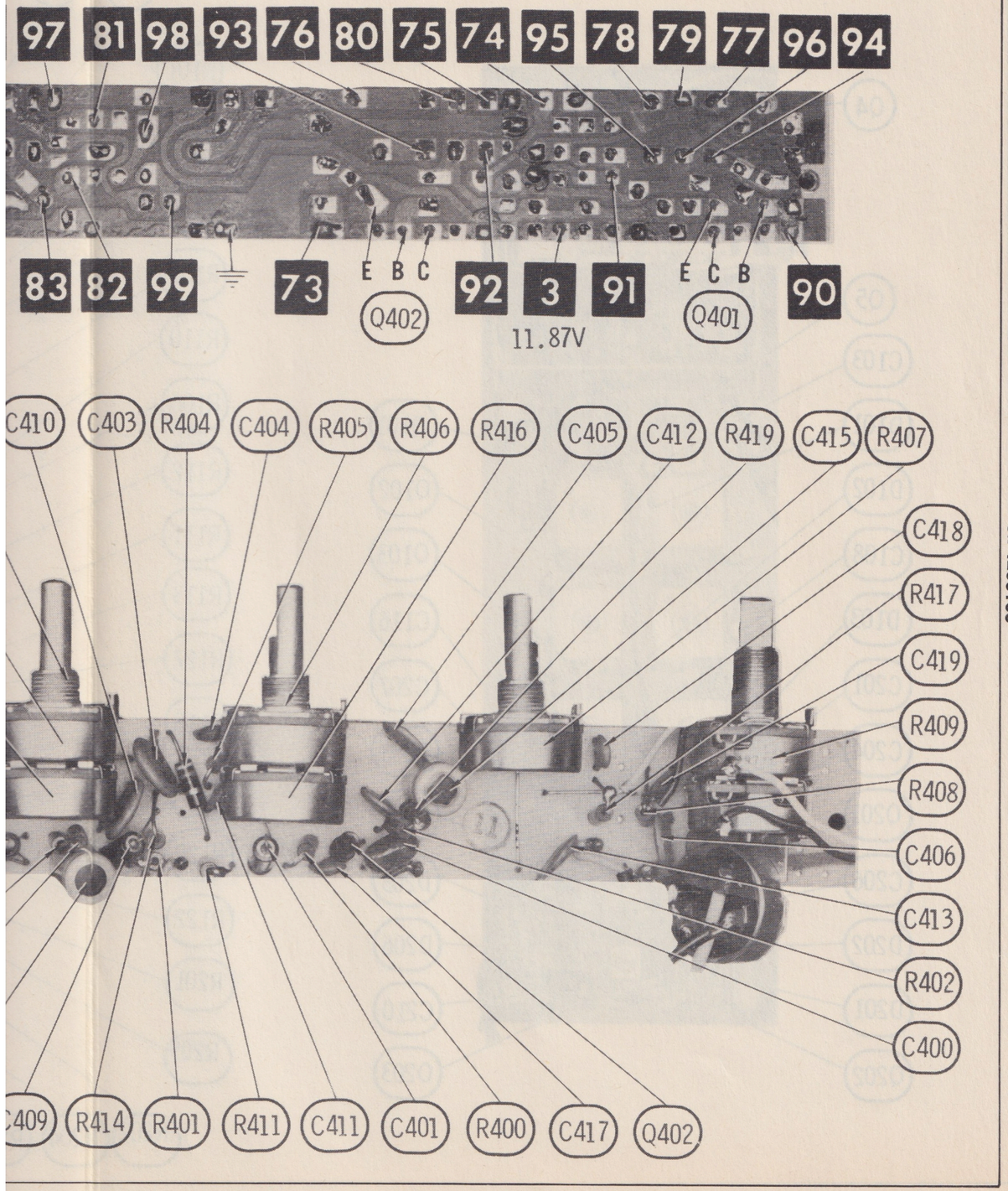
CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

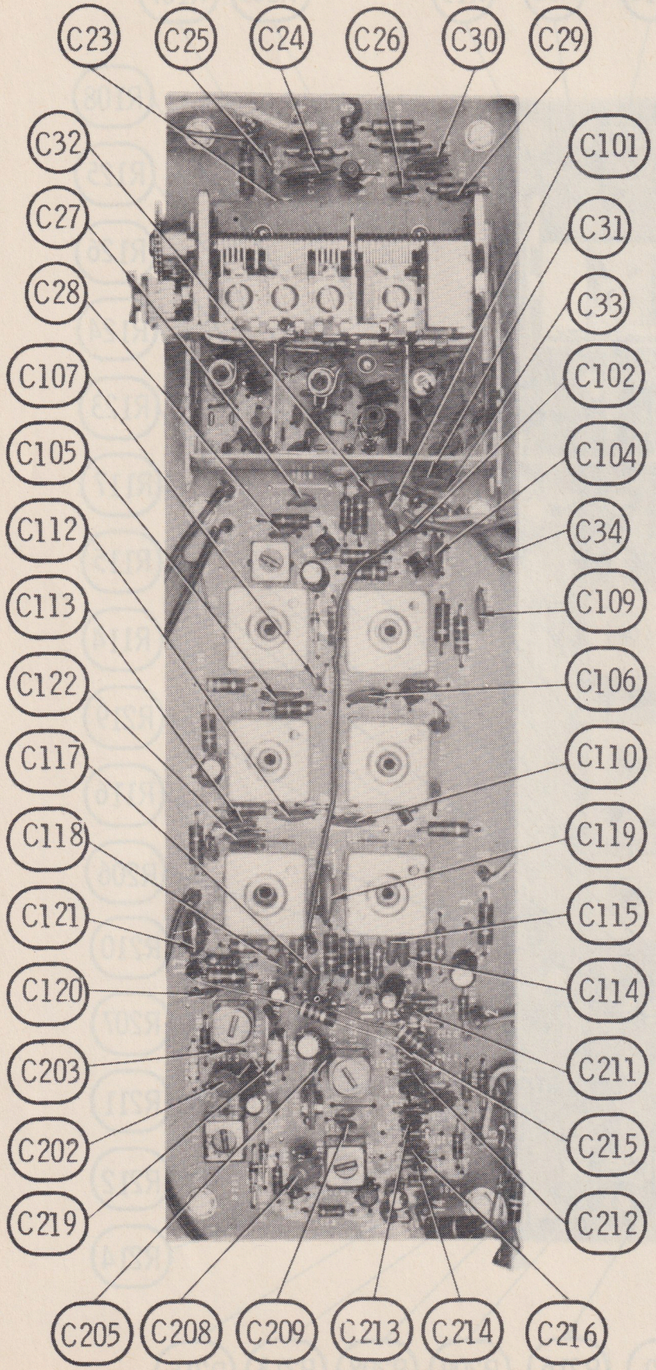
ITEM	PART No.
Cabinet, Component	3090P
Speaker Enclosure	3090X
Grill Assembly	3090G

ITEM	PART No.
Knob, Tuning	3436
Knob, Control	3437
Knob, Lever Switch	4125A

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Feet 17109 (Plastic) or 17129 (Rubber) - 9 Feet
Low-loss Shielded Lead (Interconnecting)	Use BELDEN No. 8401 or 8421
Phono Pick-up Arm Cable	Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded) 8419 (Three Conductor-Shielded)

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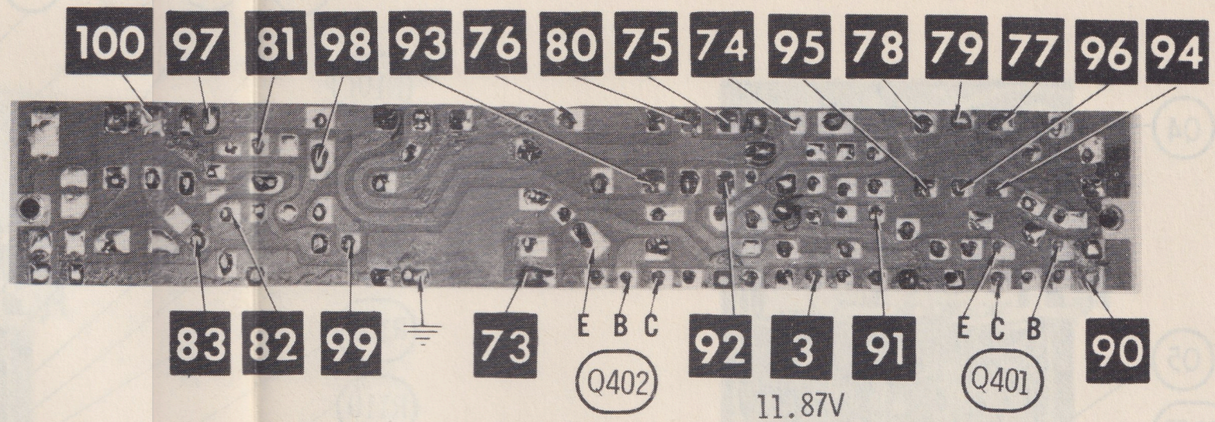
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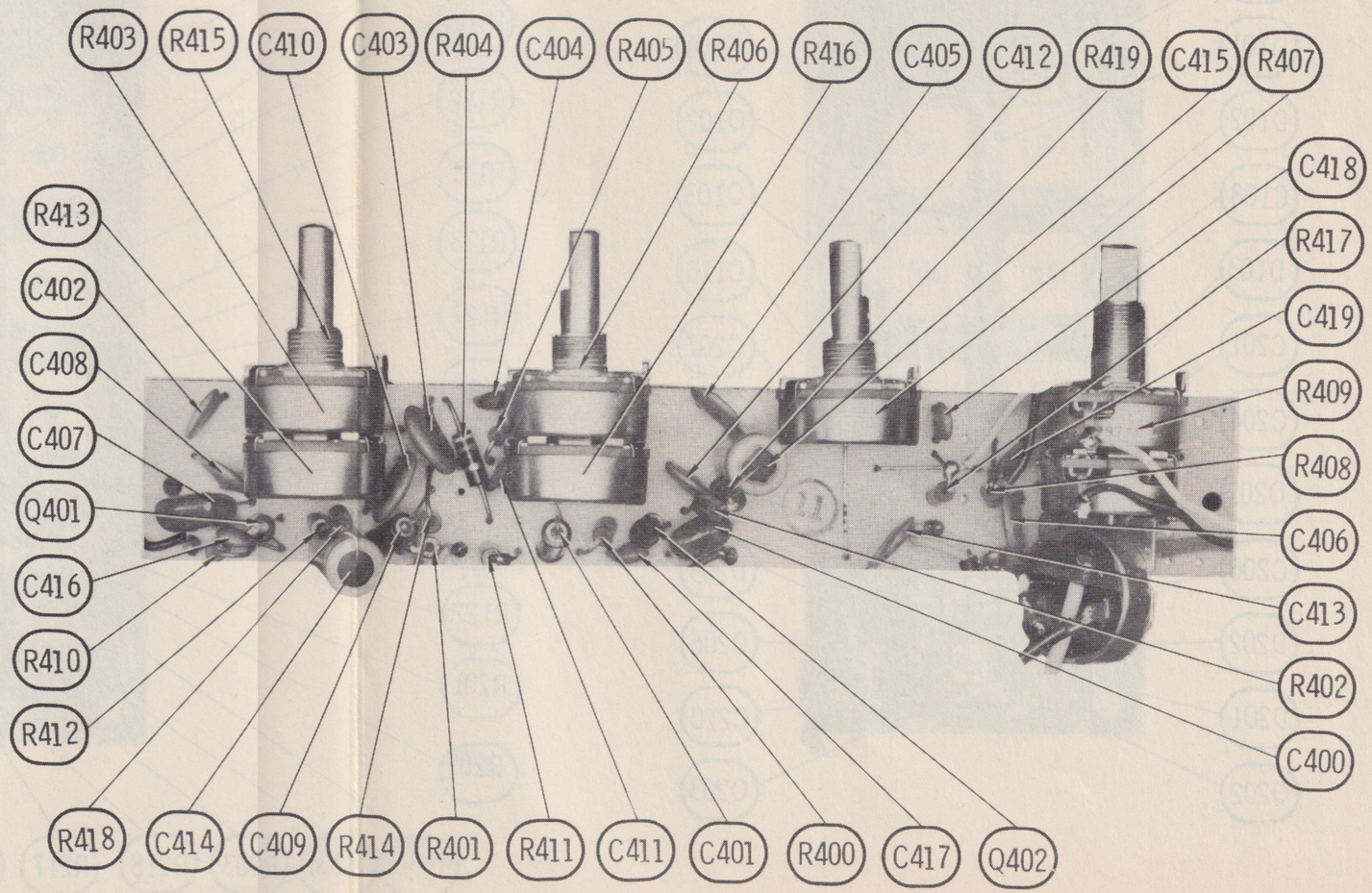
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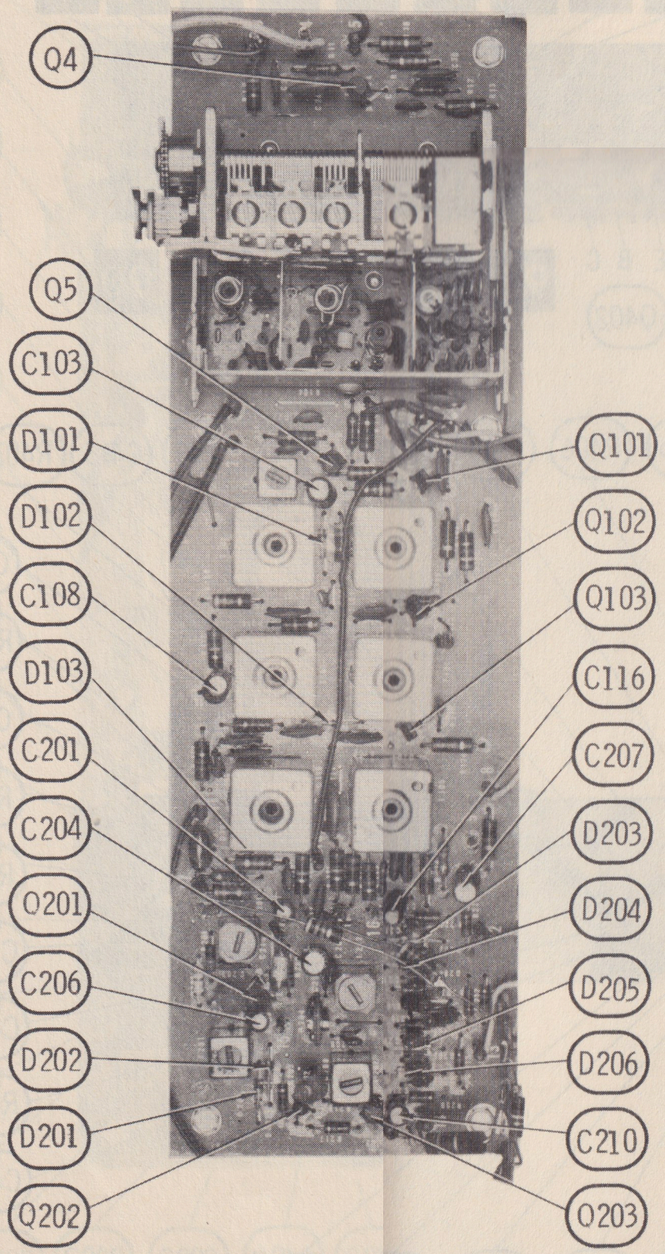
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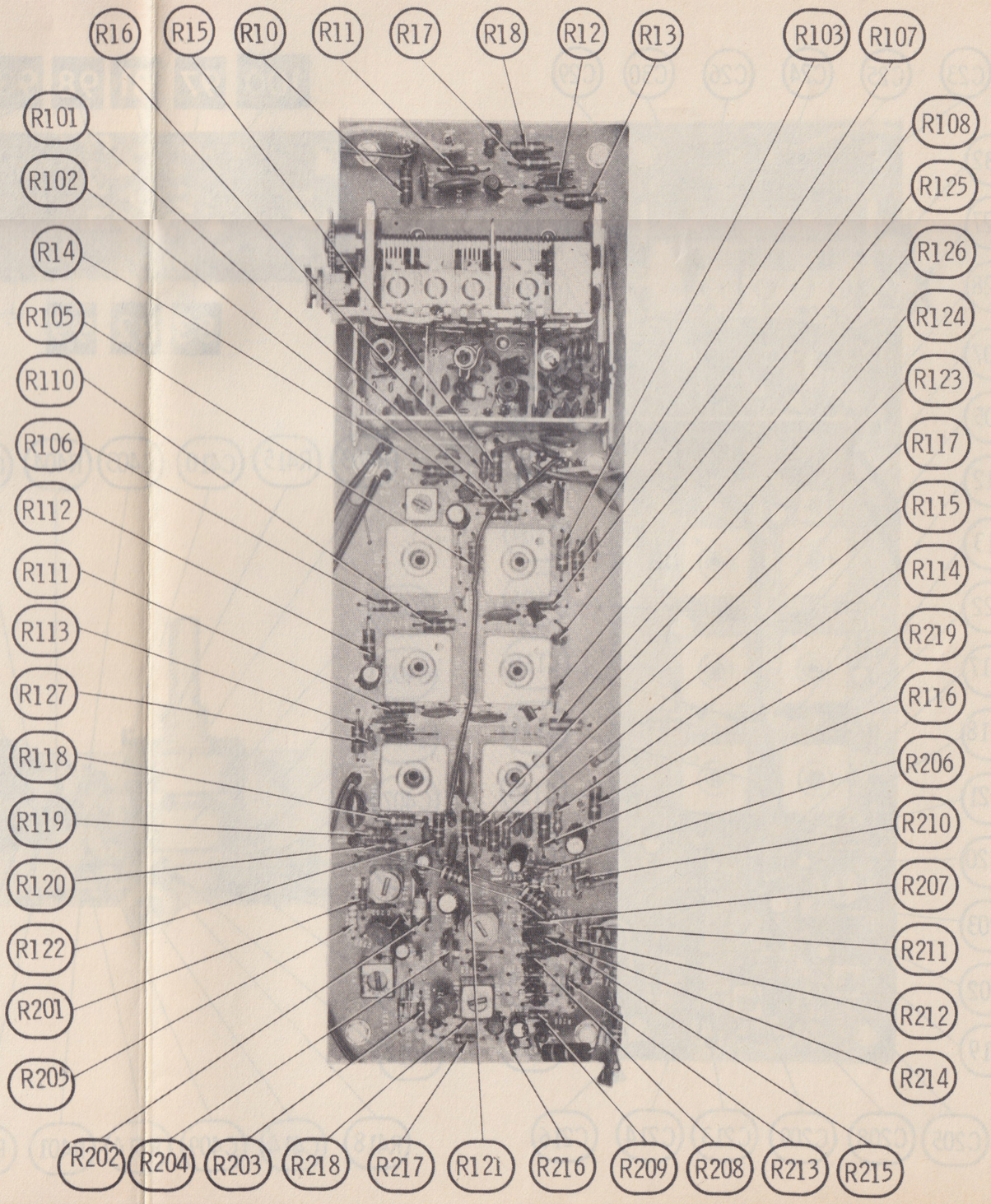
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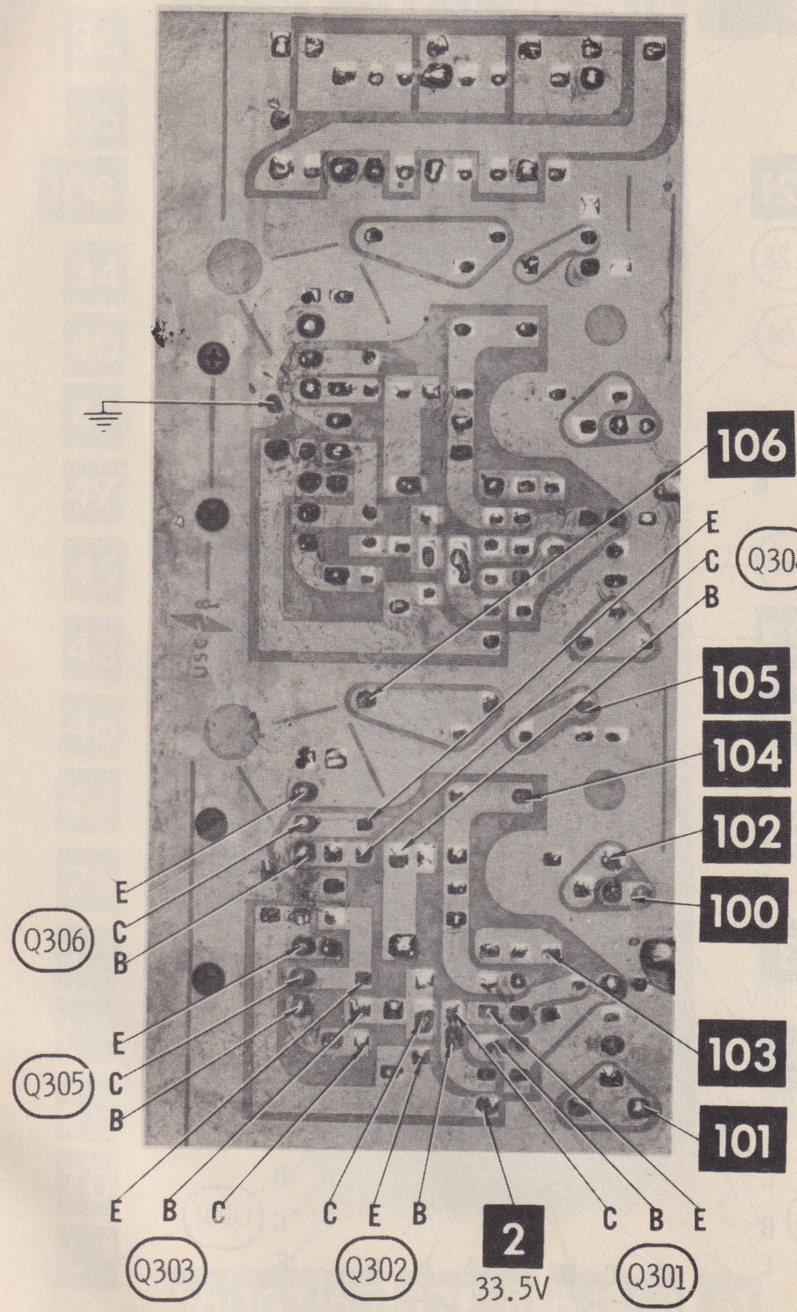
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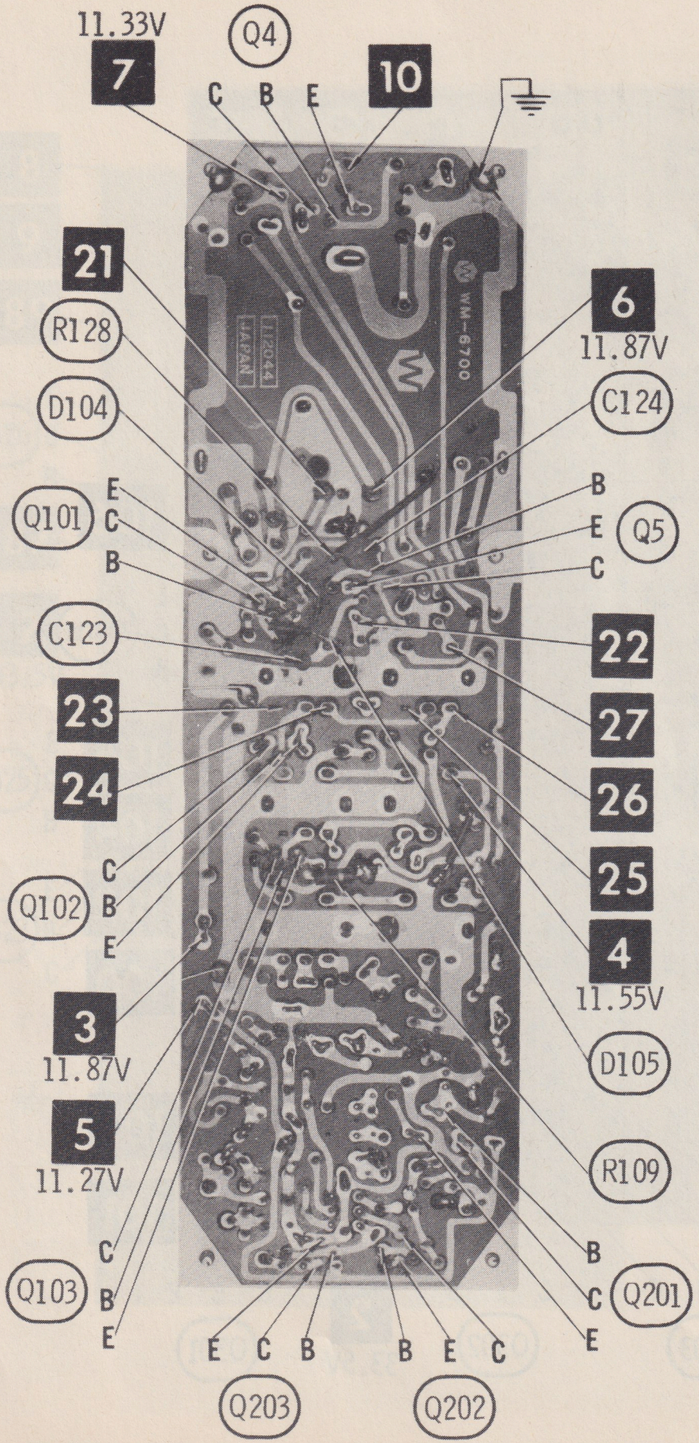
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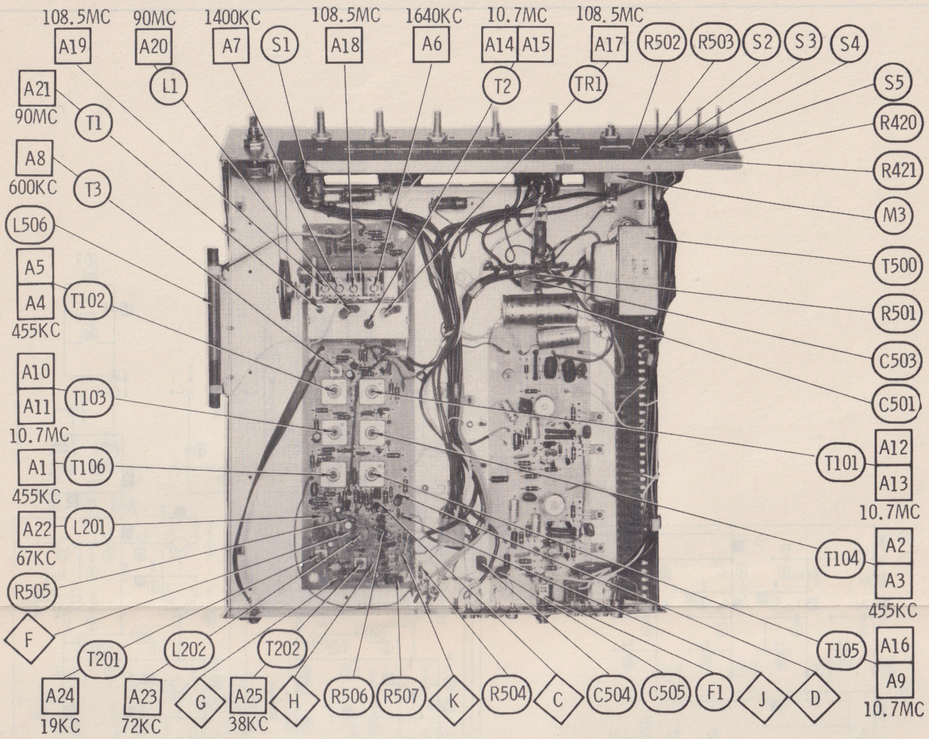
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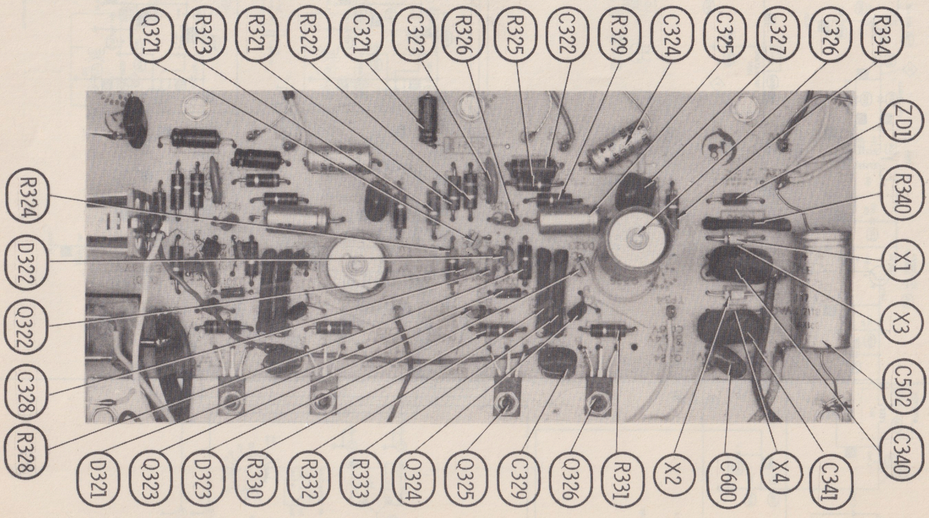
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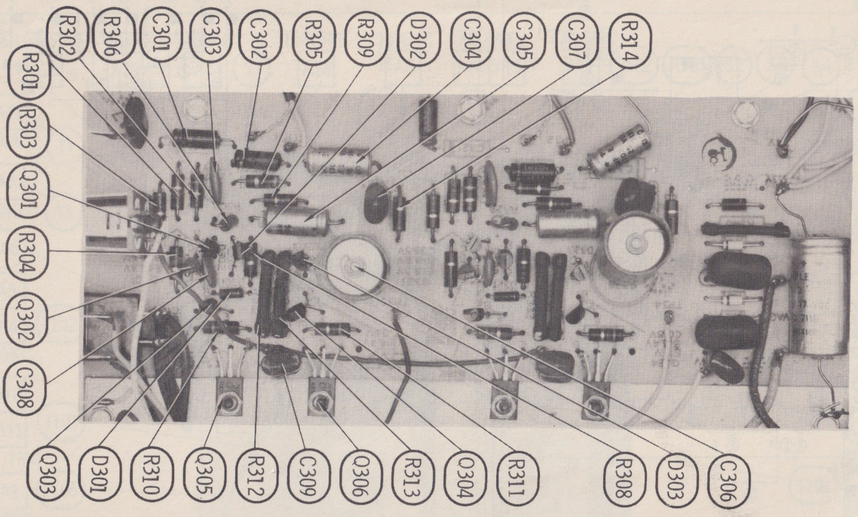
R302
R306
C301
C303
C302
R305
R309
D302
C304
C305
C307
R314
R301
R303
Q301
R304
Q302
C308
Q303
D301
R310
Q305
R312
C309
Q306
R313
Q304
R311
R308
D303
C306